

M315D2

Wheel Excavator



Engine

Engine Model	Cat® C4.4
Net Power (ISO 14396) at 2,000 rpm	102 kW (139 hp)

Weights

Operating Weight	13 500 to 15 200 kg
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Bucket Specifications

Bucket Capacities	0.20 to 0.76 m ³
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Working Ranges

Maximum Reach at Ground Level	8740 mm
Maximum Digging Depth	5450 mm

Drive

Maximum Travel Speed	37 km/h
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Features

Performance

Provides fast cycle times, great lift capacity and high bucket and stick forces. This combination maximizes your productivity in any job.

Serviceability

For increased safety, all daily maintenance points are accessible from ground level. A centralized greasing system allows lubrication of critical points.

Operator Comfort

The operator station maximizes comfort while increasing safety. Safety is enhanced by the color monitor and standard rear-mounted camera.

Undercarriage

Various undercarriage configurations with blade and outriggers are available to provide the best solution for you.

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Responsible Design

Thinking Generations Ahead

Fuel Efficiency and Low Exhaust Emissions

The Cat C4.4 engine achieves emission levels equivalent to U.S. Environmental Protection Agency (EPA) Tier 3, EU Stage IIIA, Korean Tier 3 and China Stage 2 emission standards, while offering increased performance, high fuel efficiency and reliability. This means more work done in a day, low operating cost and minimal impact on our environment.

Quiet Operation

Low sound levels, as a result of the variable fan speed and remote cooling system.

Technologies and Longer Service Intervals

Product Link allows remote monitoring of the machine and helps improve your fleet efficiency as well as reduce your costs. Your Cat dealer can help extend service intervals, meaning fewer required fluids and disposals, all adding up to lower operating costs.

Fewer Leaks and Spills

Lubricant filters and various drains are designed to minimize spills. Cat O-ring face seals, XT™ hoses and cylinders help prevent leaks that can reduce performance and cause harm to the environment.

Engine

Power, Reliability, and Fuel Economy



The Power and Performance You Need

Constant Power Strategy

Responding quickly to changing loads, the constant power strategy delivers the same amount of power regardless of operating conditions.

The Cat engine achieves emission levels equivalent to U.S. Environmental Protection Agency (EPA) Tier 3, EU Stage IIIA, Korean Tier 3 and China Stage 2 emission standards, delivers a maximum net power (Acc. ISO 14396) of 102 kW at a rated speed of 2,000 rpm.

Fuel Efficiency

Common Rail Fuel System and Fuel Pump

This combination provides outstandingly low fuel consumption during both working and traveling applications.

Demand Fan Cooling System

The electronically controlled hydraulic motor drives a variable speed on-demand fan, resulting in optimized fuel consumption.

One-Touch Low Idle Control

The Automatic Engine Speed Control reduces engine speed if no operation is performed, reducing fuel consumption and sound levels.

Eco and Work Modes

- The Eco Mode can significantly reduce your fuel consumption
- The Travel Mode optimizes driveline performance while preserving fuel
- The Power Mode is the best compromise between productivity and fuel efficiency

Premium Comfort

Keeps Operators Productive All Shift Long



Comfortable Seat Options

Both standard and comfort seat options give your operators all the comfort they need for a long day of work. The comfort seat is equipped with a passive seat climate control and air suspension which can be adjusted to the operator's weight, allowing relaxed, ergonomic sitting.

Low Vibration/Sound Levels

The rubber-mounted cab includes thick steel tubing. Associated with the comfortable air-suspended seat helps reduce vibrations and sound levels.

Comfortable Operation

Two-way pedals for travel and auxiliary circuits provide increased floor space, reducing the need to change positions. The auxiliary high-pressure pedal can be locked in the off position and used as a footrest. The steering column is easily tiltable thanks to a large pedal at its base.

Automatic Climate Control

Easy adjustment of the cab temperature with filtered ventilation to make your operators comfortable in all climates.

Storage Compartments

A large compartment behind the seat provides sufficient room to store a large lunch box or a hard hat. A cover secures the contents during machine operation. Several other dedicated spaces can hold large mugs, MP3 players or a cell phone.

Power Supply and MP3 Radio

The cab includes a 12V-7A power supply socket for charging electronic devices such as MP3 players, laptops and cell phones. A CD/MP3 radio is available.



Simplicity and Functionality

For Ease of Operation

Ergonomic Layout and Smart Controls

The operator station is designed for simplicity, functionality and ease of operation. Frequently used switches are centralized on the right-hand switch console. Features like the heavy lift mode, ride control or SmartBoom will not only increase your productivity but also help reduce fatigue for your operators.

Large Color Monitor

Easy to read and in local language, you can rely on the high-resolution LCD monitor, which will keep you aware of any important information. "Quick Access" buttons allow a quick selection of favorite functions. The tool select function lets you preset up to ten different hydraulic attachments for quick tool changes.

Optimized Visibility

All glass is affixed directly to the cab, eliminating the use of window frames. The 70/30 split front windshield stores the upper portion above the operator and is easy to release. A large skylight provides upward visibility and includes a retractable sunscreen. The parallel wiper system covers the entire front windshield.

Standard Rearview Camera

Together with the best in class visibility to all sides, the rear view displayed on the monitor helps ensure a safe operation.



Undercarriage

Strength and Versatility on Wheels



High Travel Speed (Maximum 37 km/h)

Reduces travel time between sites.

Heavy-Duty Axles

Rigidity and long life with effective transmission protection and heavy-duty axles. The transmission is mounted directly on the rear axle for protection and optimum ground clearance. The front axle offers wide oscillating and steering angles.

Smart Travel Alarm (Adjustable)

The alarm sounds when the machine starts moving. The Auto Mode stops the alarm when it has been sounding for an uninterrupted 10-second interval. It can also be disabled (optional).

Stabilizers and Dozer Blade – Versatile Solutions to Do It All.

Various undercarriage configurations are available to provide the best solution for your work environment including dozer blades and/or outriggers. Outriggers can be individually controlled to horizontally stabilize the machine even on slight slopes.

Advanced Disc Brake System

Minimizes the rocking effect when working free on wheels. The disc brake system acts directly on the hub instead of the drive shaft to avoid planetary gear backlash. The axle design lowers life costs. Oil change intervals are at 2,000 working hours.

Joystick Steering

Keep both hands on the joysticks even when simultaneously moving the implements and repositioning the machine, by the use of the slider switch on the right joystick.





Hydraulics

Fast Cycle Times, Heavy Lift Capacity

Dedicated Swing Pump

This closed hydraulic circuit maximizes swing performance without reducing power to the other hydraulic functions, resulting in smoother combined movements.

Proportional Auxiliary Hydraulics, Tremendous Versatility

The versatility of the hydraulic system can be expanded to utilize a wide variety of hydraulic work tools using multiple valve options. Basic controls include (optional):

- The Multi-Combined Valve allows the operator to select up to ten preset work tools from the monitor.
- A medium pressure function providing proportional flow, ideal for tilting buckets or rotating tools
- A hammer line (one-way high pressure)
- A dedicated circuit to operate hydraulic quick couplers.

Heavy Lift Mode

Maximizes your lifting performance by boosting the lifting capacity of the machine up to 7%.

Adjustable Swing Aggressiveness

Allows you to adjust the aggressiveness of the machine swing to match the operator's preferences.

Stick Regeneration Circuit

Increases efficiency and helps enhance controllability for higher productivity.

Booms and Sticks

Maximum Flexibility – High Productivity

Rugged Performance

Booms and sticks are welded, box section structures with thick, multiplate fabrications in high stress areas for the tough work you do.

Flexibility

The choice of various booms and sticks provides the right balance of reach and digging forces for all applications.

Sticks

- **Short stick (2000 mm)** for maximum breakout force and lifting capability
- **Medium stick (2300 mm)** for greater crowd force and lift capacity

Booms

- **Variable Adjustable (VA)** – improved right side visibility and roading balance. When working in tight quarters or lifting heavy loads, the VA boom offers the best flexibility.
- **One-Piece Boom* and One-Piece Reach Boom** – Fits best for all standard applications such as truck loading and digging. A unique straight section in the curve of the side plate reduces stress flow and helps increase boom life.

*One-Piece Boom is not available in all markets. Check with your local dealer.



SmartBoom

Reduces Stress and Vibration

Rock Scraping

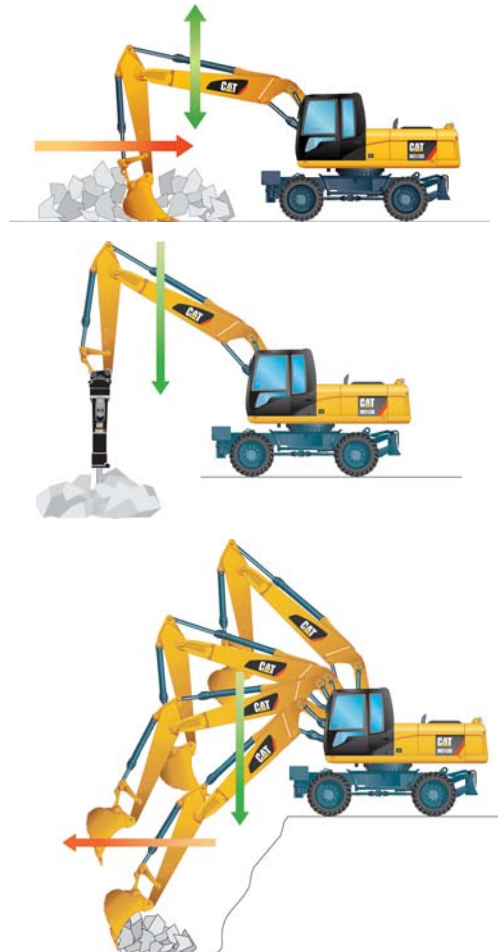
Scraping rock and finishing work is easy and fast. SmartBoom simplifies the task and allows more focus on stick and bucket, while the boom freely goes up and down without using pump flow.

Hammer Work

The front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided resulting in longer life for the hammer and the machine. Similar advantages with vibratory plate compactors.

Truck Loading

Loading trucks from a bench is more productive and fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.



Ride Control

Fast Travel Speed with More Comfort

The ride control system lets you travel faster over rough terrain with improved ride quality for the operator. Accumulators are acting as shock absorbers to dampen the front part motion. It can be activated through a button located on the soft switch panel in the cab.





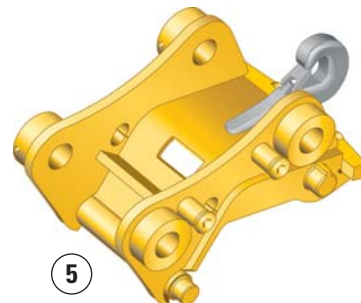
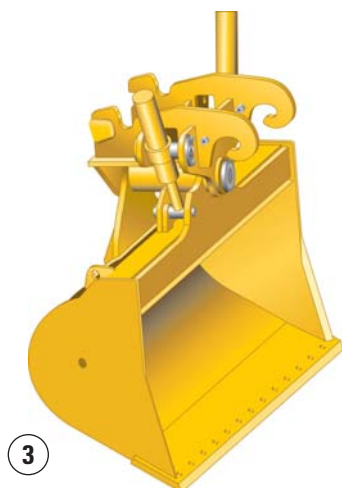
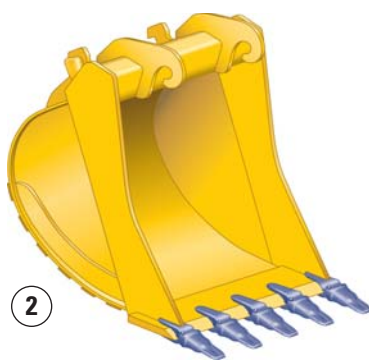
Work Tools

Optimizes Your Performance



Save Time with Every Tool Change

Perform tool changes in seconds ... Combine a quick coupler with common work tools that can be shared between the same size machines and you'll get flexibility on every job. The hydraulic quick coupler automates tool exchange, so operators can change work tools quickly, from the safety and comfort of their cabs. Make your operators more efficient and productive.



Cat Work Tools are designed to function as an integral part of your excavator and are performance-matched to Cat machines.

Quick Couplers

Hydraulic quick couplers enable to simply release one attachment and connect to another without the need to leave the cab, making your excavator highly versatile and productive. Spindle quick couplers are also available.

Buckets

A wide range of specialized buckets including the Cat K Series™ or J type (depending on the region) Ground Engaging Tools is available to match all application requirements.

Hammers

Cat hammer series deliver very high blow rates, increasing the productivity of your tool carriers in demolition and construction applications.

Multi-Grapples

The Multi-Grapple with unlimited left and right rotation is the ideal tool for stripping, sorting, handling and loading. The powerful closing force of the grab shells combined with fast opening/closing time ensures rapid cycle time, which translates to more tons per hour.

Vibratory Plate Compactors

Cat compactors integrate perfectly with the Cat hammer line – brackets and hydraulic kits are fully interchangeable between hammers and compactors.

- ① **Compactors**
- ② **General Duty Buckets**
- ③ **Ditch Cleaning**
- ④ **Quick Coupler, Center-Lock™**
- ⑤ **Quick Coupler, Connector Wedge (CW)-type**

Complete Customer Support

Your Cat Dealer Will Support You Like No Other



From helping you to choose the right machine to knowledgeable on-going support, Cat dealers provide the best-in-sales and services.

- **Best long-term investment** with financing options and services
- **Productive operation** with training programs
- **Preventive Maintenance** and guaranteed maintenance contracts
- **Uptime**, with best-in-class parts availability
- **Repair, rebuild, or replace?** Your dealer can help evaluate the best option.

Cat Product Link

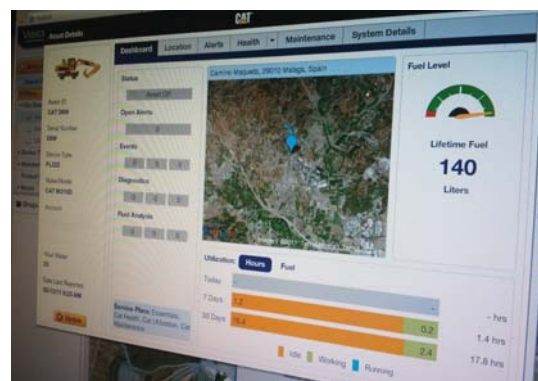
It Pays to Know

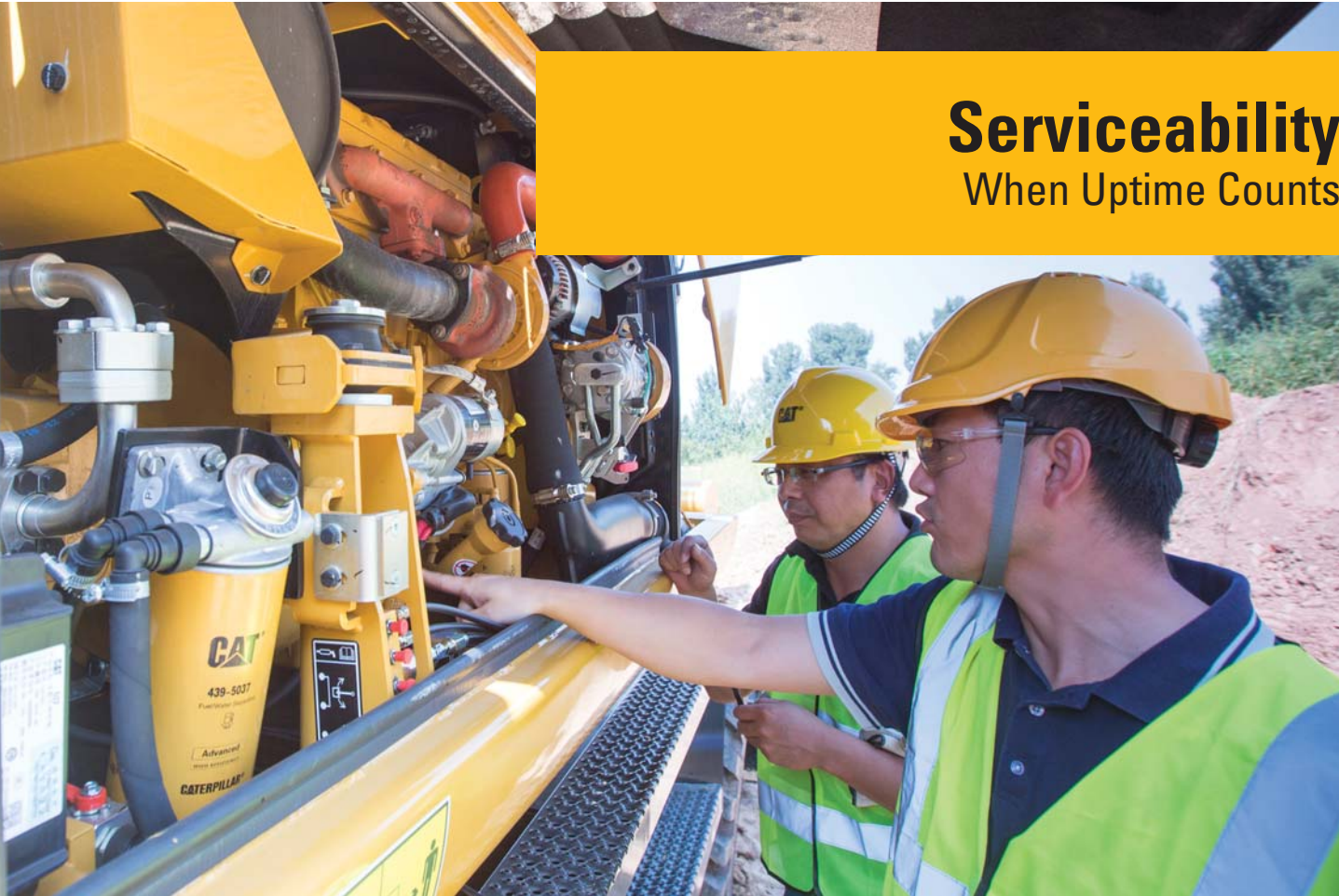
Product Link helps you take the guesswork out of equipment management.

With timely, useful information, you can better manage your assets and costs. Just a few clicks give you access to comprehensive remote monitoring, asset tracking and maintenance management. The powerful, web-based VisionLink® application allows you to see information from all your assets – working time vs. idle time, fuel usage, diagnostic fault codes, security alerts and more.

When you know where your equipment is, what it's doing and how it's performing, you can maximize your efficiency and lower your operating costs. It pays to know Cat Product Link.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.





Serviceability

When Uptime Counts

Extended Service Intervals to Reduce Costs

- **S-O-SSM Oil Sampling Analysis** – Enhances performance and durability. This system can predict potential failures and can extend hydraulic oil change intervals up to 6,000 hours.
- **Engine Oil (low ash oil)** – Cat engine oil is more cost effective and provides industry-leading performance. Engine oil change interval can be extended up to 500 hours.
- **Capsule Filter** – The hydraulic return filter prevents from contamination when the hydraulic oil is changed.
- **Fuel Filters and Water Separator** – The new filtration system is suited for challenging work conditions, even when using poor fuel quality. The new primary filter offers increased filtration capabilities and works in conjunction with a water separator. Fuel filters are designed to last up to 500 hours (250 hours with very poor fuel quality). The primary fuel filter includes a fuel priming pump, a water level switch and a visual restriction indicator.
- **Remote Greasing** – Centralized or grouped points for hard to reach locations.
- **Refueling Pump** (optional).

Easy Ground Level Maintenance

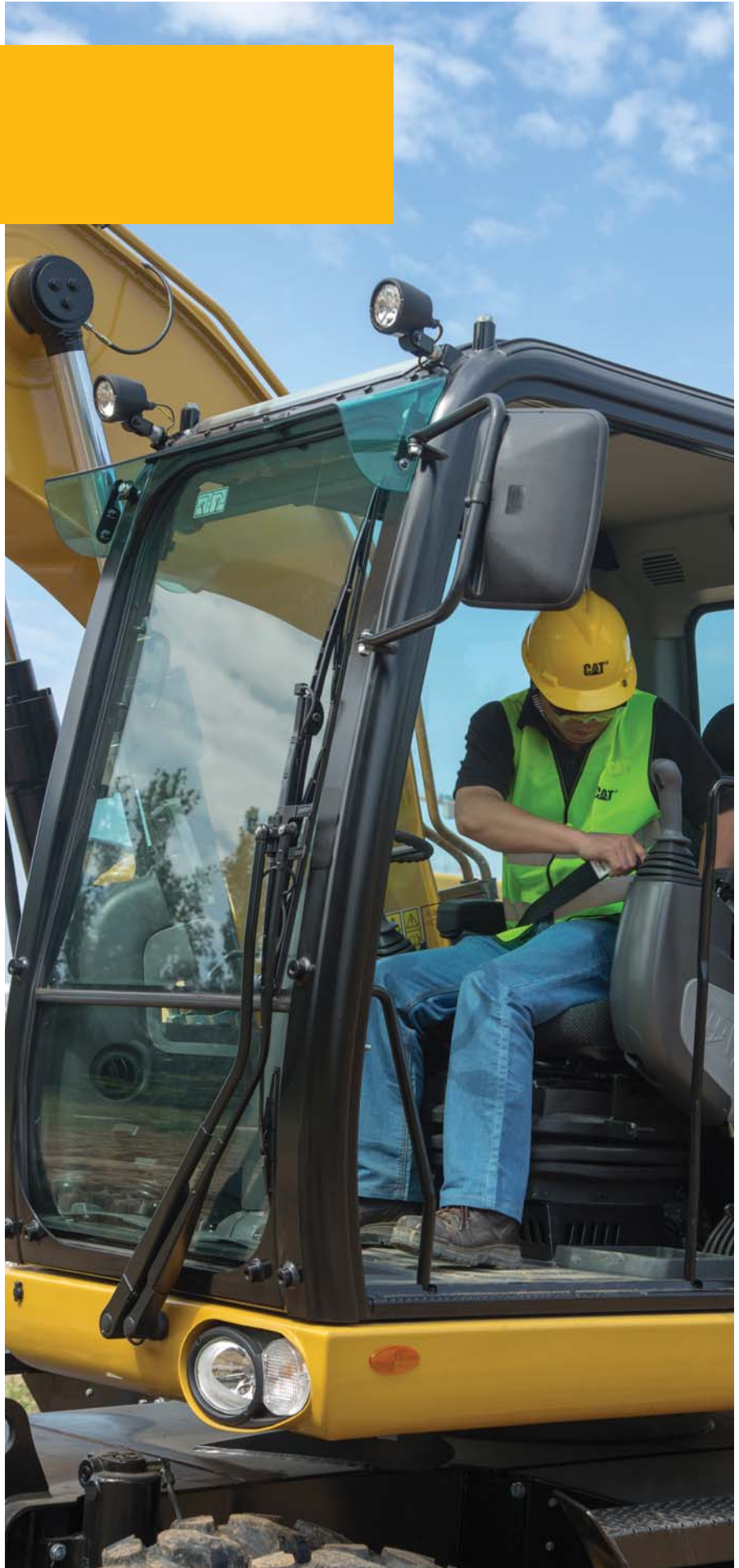
Our excavators are designed with the operator and technician in mind. Door opening is assisted with Gaz springs.

- **Front Compartment** – Ground level access to the batteries, air-to-air aftercooler, air conditioner condenser and the air cleaner filter.
- **Swing-out Air Conditioner Condenser** allows cleaning on both sides and access to the air-to-air aftercooler.
- **Engine Compartment** – The longitudinal layout ensures accessibility from ground level.

Safety

Make Sure You're Safe

- **FOPS Certified** for added protection
- **Falling Objects Guards** can be bolted directly on the cab (optional)
- **Anti-drift Valves** for booms, sticks and buckets
- **Sound Proofing** for a quiet operation
- **Ground Level Maintenance**, reducing falling hazards
- **Anti-Skid Plates** on top of the steps and upper structure to reduce slipping hazards
- **Handrails and Steps** make climbing on and off the machine easy with three points of contact
- **Several Halogen Lights** for proper visibility all shift long
- **Rotating Beacon (optional)**
- **Excellent Visibility** – overhead visibility is enhanced with a large skylight
- **Standard Rearview Camera** – clear view behind the machine through the monitor
- **Implement Lock-out** prevents from moving the machine unintentionally
- **Smart Travel Alarm** to enhance safety on your job site (optional)



M315D2 Wheel Excavator Specifications

Engine

Engine Model	Cat C4.4
Emissions	Equivalent to U.S. Environmental Protection Agency (EPA) Tier 3, EU Stage IIIA, Korea Tier 3 and China Stage II emission standards
Ratings	2,000 rpm
Net Power	
ISO 14396	102 kW (139 hp)
ISO 9249/SAE J1349	95 kW (129 hp)
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L
Cylinders	4
Maximum Torque at 1,400 rpm	550 N·m

- All engine horsepower (hp) are metric including front page.
- Full engine net power up to 3000 m altitude.

Weights

VA Boom*	
Rear Dozer Only	14 200 kg
Front Dozer, Rear Outriggers	15 100 kg
One-Piece Boom (Standard)	
Rear Dozer Only	13 800 kg
Rear Dozer, Front Outriggers	14 750 kg
One-Piece Reach Boom*	
Rear Dozer Only	13 800 kg
Front Dozer, Rear Outriggers	14 750 kg
Sticks	
Short (2000 mm)	370 kg
Medium (2300 mm)	390 kg
Counterweight	
Standard	2900 kg
Optional	3300 kg

* Machine weight with medium stick, 3300 kg counterweight, with operator and full fuel tank, with 450 kg bucket. Weight varies depending on configuration.

Transmission

Forward/Reverse	
1st Gear	9 km/h
2nd Gear	37 km/h
Creeper Speed	
1st Gear	3 km/h
2nd Gear	13 km/h
Drawbar Pull	76 kN
Maximum Gradeability	58%

Tires

Standard	10.00-20 (dual pneumatic)
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Hydraulic System

Tank Capacity	95 L
System	180 L
Maximum Pressure	
Implement Circuit	
Normal	350 bar
Heavy Lift	375 bar
Travel Circuit	350 bar
Auxiliary Circuit	
High Pressure	350 bar
Medium Pressure	185 bar
Swing Mechanism	350 bar
Maximum Flow	
Implement/Travel Circuit	190 L/min
Auxiliary Circuit	
High Pressure	190 L/min
Medium Pressure	40 L/min
Swing Mechanism	80 L/min

Swing Mechanism

Swing Speed	10.5 rpm
Swing Torque	35 kN·m

Undercarriage

Ground Clearance	370 mm
Maximum Steering Angle	35°
Oscillation Axle Angle	± 9°
Minimum Turning Radius	
Outside of Tire	6200 mm
End of VA Boom	6700 mm
End of One-Piece Boom	8100 mm

Service Refill Capacities

Fuel Tank	235 L
Cooling	31 L
Engine Crankcase	8 L
Rear Axle Housing (differential)	11.2 L
Front Steering Axle (differential)	9 L
Final Drive	2.4 L
Powershift Transmission	2.5 L

Sound Levels

Exterior Sound

- The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 102 dB(A).

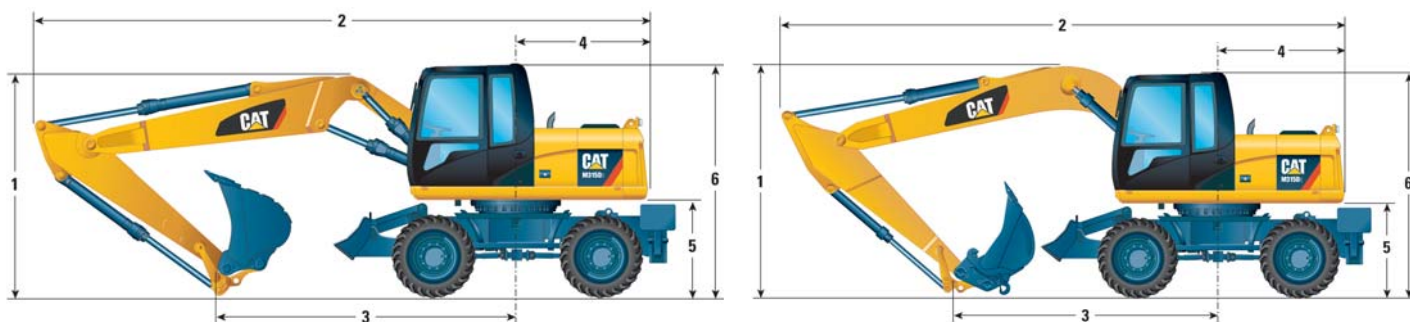
Cab/FOGS

- Cab with Falling Object Guard Structure (FOGS) meets ISO 10262.

M315D2 Wheel Excavator Specifications

Dimensions

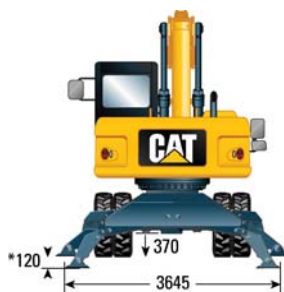
All dimensions are approximate.



		VA Boom		One-Piece Reach Boom		One-Piece Boom	
Stick Length	mm	2000	2300	2000	2300	2000	2300
1 Shipping Height	mm	3120	3120	3120	3120	3120	3120
2 Shipping Length	mm	8310	8300	8090	8080	7697	7687
3 Support Point	mm	3820	3470	3480	3120	2715	2612
4 Tail Swing Radius	mm	2060		2060		2060	
5 Counterweight Clearance	mm	1230		1230		1230	
6 Cab Height	mm	3120		3120		3120	



* Maximum tire clearance with outrigger fully down



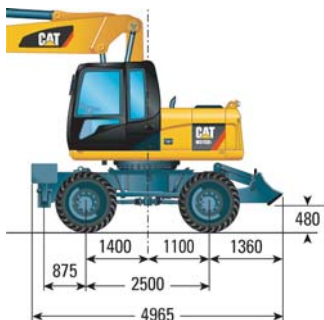
Roading position with 2300 mm stick



Undercarriage with dozer only

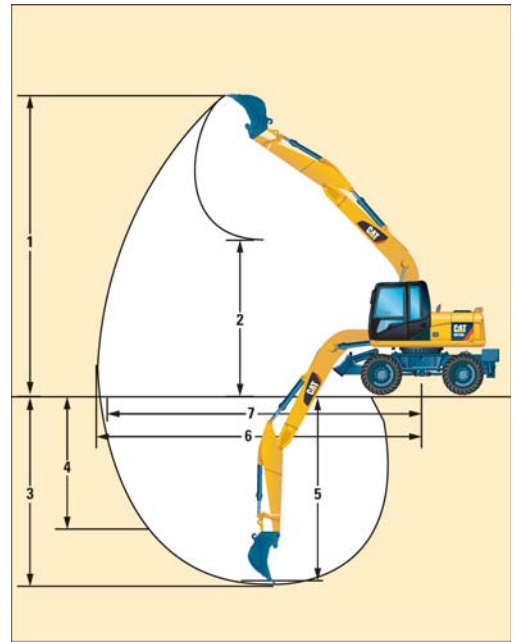
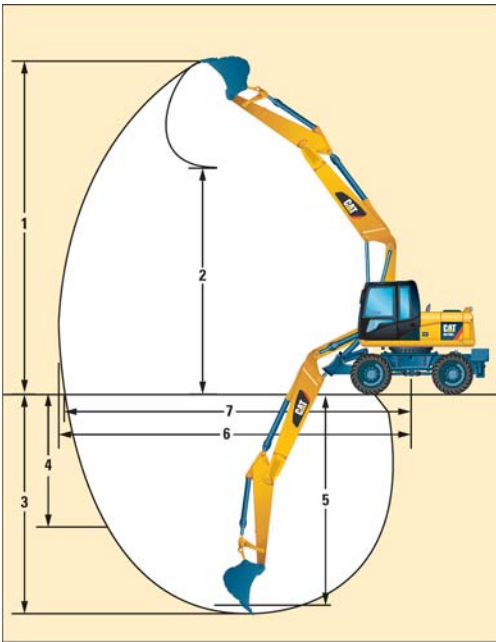


Undercarriage with 1 set of outriggers and dozer



M315D2 Wheel Excavator Specifications

Working Ranges



		VA Boom		One-Piece Reach Boom		One-Piece Boom	
Stick Length	mm	2000	2300	2000	2300	2000	2300
1 Digging Height	mm	9520	9670	8480	8580	8040	8060
2 Dump Height	mm	7060	7210	6060	6120	5810	5890
3 Digging Depth	mm	5010	5300	4840	5140	4520	4810
4 Vertical Wall Digging Depth	mm	3680	3810	3750	3740	3090	3470
5 Depth 2.5 m Straight Clean-Up	mm	4760	5070	4590	4910	4270	4450
6 Reach	mm	8520	8760	8270	8510	7900	8130
7 Reach at Ground Level	mm	8330	8580	8080	8320	7770	7940
Bucket Forces (ISO 6015)	kN	93	93	93	93	93	93
Stick Forces (ISO 6015)	kN	73	67	73	67	73	67

Values 1-7 are calculated with bucket with a tip radius of 1225 mm.

Breakout force values are calculated with heavy lift on and a tip radius of 1225 mm.

M315D2 Wheel Excavator Specifications

Bucket Specifications**

Contact your Cat dealer for special bucket requirements.

Pin-On Buckets					Variable Adjustable Boom				One-Piece Reach Boom				One-Piece Boom			
					5020 mm				4815 mm				4500 mm			
Stick Length					2000 mm		2300 mm		2000 mm		2300 mm		2000 mm		2300 mm	
	Width	Weight*	Capacity (ISO)	Adapters	Free on wheels	Dozer lowered	1 set of stabilizers lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizers lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizers lowered	Fully stabilized
	mm	kg	m ³													
General Duty	450	302	0.20	3												
	600	349	0.31	3												
	1000	456	0.60	5												
	1100	490	0.68	6												
	1200	519	0.76	6												
Ditch Cleaning	1800	465	0.73													
	2000	495	0.83													
Tiltable Ditch Cleaning	1800	690	0.61													
	2000	720	0.68													

*Bucket weight includes Ground Engaging Tools.

**Not all buckets are available from factory or in the region.
Please contact your Cat dealer for more information.

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with Long tips.

	Maximum material density 2100 kg/m ³
	Maximum material density 1800 kg/m ³
	Maximum material density 1500 kg/m ³
	Maximum material density 1200 kg/m ³
	Not recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

M315D2 Wheel Excavator Specifications

Bucket Specifications**

Contact your Cat dealer for special bucket requirements.

Quick Coupler (CW20/CW20s)					Variable Adjustable Boom				One-Piece Reach Boom				One-Piece Boom			
					5020 mm				4815 mm				4500 mm			
Stick Length					2000 mm		2300 mm		2000 mm		2300 mm		2000 mm		2300 mm	
	Width	Weight*	Capacity (ISO)	Adapters	Free on wheels	Dozer lowered	1 set of stabilizers lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizers lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizers lowered	Fully stabilized
	mm	kg	m³													
General Duty	450	300	0.20	3												
	500	309	0.24	3												
	600	328	0.31	3												
	1000	452	0.60	5												
	1100	482	0.68	6												
	1200	511	0.76	6												
Ditch Cleaning	1800	430	0.73													
	2000	460	0.83													
Tiltable Ditch Cleaning	1800	650	0.61													
	2000	680	0.68													

*Bucket weight includes Ground Engaging Tools.

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Capacity based on ISO 7451.

Bucket weight with Long tips.

	Maximum material density 2100 kg/m³
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	Maximum material density 1500 kg/m³
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M315D2 Wheel Excavator Specifications

Work Tools Matching Guide*

When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.

Without Quick Coupler			Variable Adjustable Boom				One-Piece Reach Boom				One-Piece Boom			
			5020 mm				4815 mm				4500 mm			
			(1)		(2)		(1)		(2)		(1)		(2)	
			2000	2300	2000	2300	2000	2300	2000	2300	2000	2300	2000	2300
Stick Length (mm)														
Hammers	H110E, H115E													
Hydraulic Shears (* boom mounted)	S320B*													
Multi-Grapples	G310B	D												
		R												
Compactor	CVP75													
(1) Dozer lowered														
(2) Dozer and stabilizer lowered														
With Quick Coupler (CW-20, CW-20S)														
Hammers	H110E													
	H115E													
Multi-Grapples	G310B	D												
		R												
Compactor	CVP75													

*Work tools may not be available in your region. Please contact your Cat dealer for information.



360° Working Range



Over the front only

M315D2 Wheel Excavator Specifications

Lift Capacities – Variable Adjustable Boom (5020 mm)

All values are in kg, without bucket and without QC, with counterweight (3300 kg), heavy lift on.

 Load at maximum reach (sticknose/bucket pin)
  Load over front
  Load over rear
  Load over side
  Load point height

Short Stick
2000 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m						m
														
6.0 m	Rear dozer up				*5000	3900	3550				*3550	2550	2300	5.82
	Rear dozer down					*5000	4100					*3550	2650	
	Dozer and stabilizer down					*5000	*5000					*3550	*3550	
	2 sets of stabilizers down				*5000	*5000	*5000				*3550	*3550	*3550	
4.5 m	Rear dozer up				*5450	3750	3400	3500	2400	2200	2900	2000	1800	6.71
	Rear dozer down					*5450	3950		*4500	2550		*3250	2100	
	Dozer and stabilizer down					*5450	*5450		*4500	3850		*3250	3200	
	2 sets of stabilizers down				*5450	*5450	*5450	*4500	*4500	4500	*3250	*3250	*3250	
3.0 m	Rear dozer up				5250	3500	3200	3400	2300	2100	2600	1750	1600	7.16
	Rear dozer down					*6250	3700		*4750	2450		*3200	1850	
	Dozer and stabilizer down					*6250	5850		*4750	3750		*3200	2850	
	2 sets of stabilizers down				*6250	*6250	*6250	*4750	*4750	4400	*3200	*3200	*3200	
1.5 m	Rear dozer up				5000	3300	2950	3300	2200	2000	2500	1700	1550	7.28
	Rear dozer down					*6750	3450		*4900	2350		*3300	1800	
	Dozer and stabilizer down					*6750	5600		*4900	3650		*3300	2750	
	2 sets of stabilizers down				*6750	*6750	6650	*4900	*4900	4250	*3300	*3300	3200	
0.0 m	Rear dozer up				4900	3200	2850	3250	2150	1950	2600	1750	1600	7.06
	Rear dozer down					*6500	3350		*4750	2250		*3600	1850	
	Dozer and stabilizer down					*6500	5450		*4750	3600		*3600	2850	
	2 sets of stabilizers down				*6500	*6500	6500	*4750	*4750	4200	*3600	*3600	3350	
-1.5 m	Rear dozer up	*6700	5950	5200	4900	3150	2850	3250	2150	1950	2950	1950	1800	6.48
	Rear dozer down		*6700	6250		*5550	3350		*4000	2250		*3300	2050	
	Dozer and stabilizer down		*6700	*6700		*5550	5450		*4000	3600		*3300	3250	
	2 sets of stabilizers down	*6700	*6700	*6700	*5550	*5550	*5550	*4000	*4000	*4000	*3300	*3300	*3300	

Medium Stick
2300 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
																	
6.0 m	Rear dozer up				*4600	3950	3600	*3500	2450	2250				*2900	2350	2150	6.13
	Rear dozer down					*4600	4150		*3500	2550					*2900	2450	
	Dozer and stabilizer down					*4600	*4600		*3500	*3500					*2900	*2900	
	2 sets of stabilizers down				*4600	*4600	*4600	*3500	*3500	*3500				*2900	*2900	*2900	
4.5 m	Rear dozer up				*5200	3800	3450	3550	2450	2200				*2750	1900	1700	6.98
	Rear dozer down					*5200	4000		*4350	2550					*2750	2000	
	Dozer and stabilizer down					*5200	*5200		*4350	3900					*2750	*2750	
	2 sets of stabilizers down				*5200	*5200	*5200	*4350	*4350	*4350				*2750	*2750	*2750	
3.0 m	Rear dozer up				5300	3550	3200	3400	2350	2100				2450	1650	1500	7.42
	Rear dozer down					*6050	3750		*4650	2450					*2700	1750	
	Dozer and stabilizer down					*6050	5900		*4650	3800					*2700	*2700	
	2 sets of stabilizers down				*6050	*6050	*6050	*4650	*4650	4400				*2700	*2700	*2700	
1.5 m	Rear dozer up				5000	3300	3000	3300	2200	2000	2400	1600	1450	2400	1600	1450	7.52
	Rear dozer down					*6700	3500		*4900	2350		*3050	1700		*2850	1700	
	Dozer and stabilizer down					*6700	5600		*4900	3650		*3050	2650		*2850	2650	
	2 sets of stabilizers down				*6700	*6700	6650	*4900	*4900	4300	*3050	*3050	*3050	*2850	*2850	*2850	
0.0 m	Rear dozer up				4900	3150	2850	3200	2150	1950				2450	1650	1500	7.32
	Rear dozer down					*6600	3350		*4800	2250					*3150	1750	
	Dozer and stabilizer down					*6600	5450		*4800	3600					*3150	2700	
	2 sets of stabilizers down				*6600	*6600	6500	*4800	*4800	4200				*3150	*3150	*3150	
-1.5 m	Rear dozer up	*6800	5850	5150	4850	3150	2850	3200	2100	1950				2750	1850	1650	6.76
	Rear dozer down		*6800	6200		*5800	3350		*4200	2250					*3300	1950	
	Dozer and stabilizer down		*6800	*6800		*5800	5450		*4200	3550					*3300	3050	
	2 sets of stabilizers down	*6800	*6800	*6800	*5800	*5800	*5800	*4200	*4200	4150				*3300	*3300	*3300	
-3.0 m	Rear dozer up				*4150	3200	2900										
	Rear dozer down					*4150	3400										
	Dozer and stabilizer down					*4150	*4150										
	2 sets of stabilizers down				*4150	*4150	*4150										

* Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M315D2 Wheel Excavator Specifications

Lift Capacities – One-Piece Reach Boom (4815 mm)

All values are in kg, without bucket and without QC, with counterweight (3300 kg), heavy lift on.

 Load at maximum reach (sticknose/bucket pin)		 Load over front			 Load over rear			 Load over side			 Load point height			
	Undercarriage configuration	3.0 m			4.5 m			6.0 m						
													m	
4.5 m	Rear dozer up				*5100	3800	3450	3500	2400	2250	*3000	2150	2000	6.44
	Rear dozer down				*5100	3950			*4450	2550	*3000	*3000	2250	
	Dozer and stabilizer down				*5100	*5100			*4450	3850	*3000	*3000	*3000	
	2 sets of stabilizers down				*5100	*5100	*5100	*4450	*4450	*4450	*3000	*3000	*3000	
3.0 m	Rear dozer up				5300	3600	3250	3450	2350	2150	2750	1900	1750	6.91
	Rear dozer down				*6000	3750			*4700	2450	*2950	*2950	2000	
	Dozer and stabilizer down				*6000	5900			*4700	3800	*2950	*2950	*2950	
	2 sets of stabilizers down				*6000	*6000	*6000	*4700	*4700	4400	*2950	*2950	*2950	
1.5 m	Rear dozer up				5050	3350	3050	3350	2250	2050	2650	1800	1650	7.03
	Rear dozer down				*6750	3550			*4950	2400	*3100	*3100	1900	
	Dozer and stabilizer down					*6750	5650		*4950	3700		*3100	2900	
	2 sets of stabilizers down				*6750	*6750	6700	*4950	*4950	4300	*3100	*3100	*3100	
0.0 m	Rear dozer up				4950	3250	2950	3250	2200	2000	2750	1850	1700	6.80
	Rear dozer down					*6800	3450		*4950	2300		*3450	1950	
	Dozer and stabilizer down					*6800	5500		*4950	3600		*3450	3050	
	2 sets of stabilizers down				*6800	*6800	6550	*4950	*4950	4200	*3450	*3450	*3450	
-1.5 m	Rear dozer up	*8300	6000	5300	4900	3250	2950	3250	2200	2000	3150	2100	1950	6.20
	Rear dozer down		*8300	6350		*6100	3400		*4250	2300		*3900	2250	
	Dozer and stabilizer down		*8300	*8300		*6100	5500		*4250	3600		*3900	3450	
	2 sets of stabilizers down	*8300	*8300	*8300	*6100	*6100	*6100	*4250	*4250	4200	*3900	*3900	*3900	
-3.0 m	Rear dozer up	*5800	*5800	5400	*4250	3300	3000				*3300	2850	2600	5.07
	Rear dozer down		*5800	*5800		*4250	3500					*3300	3000	
	Dozer and stabilizer down		*5800	*5800		*4250	*4250					*3300	*3300	
	2 sets of stabilizers down	*5800	*5800	*5800	*4250	*4250	*4250				*3300	*3300	*3300	

Medium Stick 2300 mm		Undercarriage configuration	3.0 m			4.5 m			6.0 m						
															m
6.0 m	Rear dozer up											*2700	2600	2350	5.81
	Rear dozer down											*2700	*2700	*2700	
	Dozer and stabilizer down											*2700	*2700	*2700	
	2 sets of stabilizers down											*2700	*2700	*2700	
4.5 m	Rear dozer up				*4850	3850	3500	3550	2450	2250	*2500	2050	1850	6.70	
	Rear dozer down					*4850	4000		*4250	2550		*2500	2150		
	Dozer and stabilizer down					*4850	*4850		*4250	3900		*2500	*2500		
	2 sets of stabilizers down				*4850	*4850	*4850	*4250	*4250	*4250	*2500	*2500	*2500		
3.0 m	Rear dozer up				5350	3600	3300	3450	2350	2150	*2500	1800	1650	7.16	
	Rear dozer down					*5800	3800		*4550	2500		*2500	1900		
	Dozer and stabilizer down					*5800	*5800		*4550	3800		*2500	*2500		
	2 sets of stabilizers down				*5800	*5800	*5800	*4550	*4550	4400	*2500	*2500	*2500		
1.5 m	Rear dozer up				5100	3400	3050	3350	2250	2050	2500	1700	1550	7.27	
	Rear dozer down					*6650	3550		*4900	2400		*2650	1800		
	Dozer and stabilizer down					*6650	5650		*4900	3700		*2650	*2650		
	2 sets of stabilizers down				*6650	*6650	*6650	*4900	*4900	4300	*2650	*2650	*2650		
0.0 m	Rear dozer up	*4500	*4500	*4500	4950	3250	2950	3250	2200	2000	2600	1750	1600	7.05	
	Rear dozer down		*4500	*4500		*6850	3450		*4950	2300		*3000	1850		
	Dozer and stabilizer down		*4500	*4500		*6850	5500		*4950	3600		*3000	2850		
	2 sets of stabilizers down	*4500	*4500	*4500	*6850	*6850	6550	*4950	*4950	4200	*3000	*3000	*3000		
-1.5 m	Rear dozer up	*8650	5950	5250	4900	3200	2900	3250	2150	2000	2950	1950	1800	6.47	
	Rear dozer down		*8650	6300		*6300	3400		*4450	2300		*3650	2100		
	Dozer and stabilizer down		*8650	*8650		*6300	5450		*4450	3600		*3650	3250		
	2 sets of stabilizers down	*8650	*8650	*8650	*6300	*6300	*6300	*4450	*4450	4200	*3650	*3650	*3650		
-3.0 m	Rear dozer up	*6550	6100	5350	*4750	3300	2950				*3450	2550	2350	5.40	
	Rear dozer down		*6550	6400		*4750	3450					*3450	2700		
	Dozer and stabilizer down		*6550	*6550		*4750	*4750					*3450	*3450		
	2 sets of stabilizers down	*6550	*6550	*6550	*4750	*4750	*4750				*3450	*3450	*3450		

* Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M315D2 Wheel Excavator Specifications

Lift Capacities – One-Piece Boom (4500 mm)

All values are in kg, without bucket and without QC, with counterweight (2900 kg), heavy lift on.

 Load at maximum reach (sticknose/bucket pin)
  Load over front
  Load over rear
  Load over side
  Load point height

Short Stick
2000 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m						m
														
4.5 m	Rear dozer up				*5250	3550	3250	*3200	2250	2050	*3000	2200	2050	6.03
	Rear dozer down					*5250	3750		*3200	2350		*3000	2350	
	Dozer and stabilizer down					*5250	*5250		*3200	*3200		*3000	*3000	
	2 sets of stabilizers down				*5250	*5250	*5250	*3200	*3200	*3200	*3000	*3000	*3000	
3.0 m	Rear dozer up				5050	3350	3050	3250	2200	2000	2850	1900	1750	6.54
	Rear dozer down					*6050	3550		*4800	2300		*2950	2000	
	Dozer and stabilizer down					*6050	5600		*4800	3600		*2950	*2950	
	2 sets of stabilizers down				*6050	*6050	*6050	*4800	*4800	4150	*2950	*2950	*2950	
1.5 m	Rear dozer up				4800	3150	2850	3150	2100	1900	2700	1800	1650	6.66
	Rear dozer down					*6750	3350		*5000	2250		*3100	1900	
	Dozer and stabilizer down					*6750	5400		*5000	3500		*3100	3000	
	2 sets of stabilizers down				*6750	*6750	6400	*5000	*5000	4100	*3100	*3100	*3100	
0.0 m	Rear dozer up	*5950	5600	4900	4700	3050	2750	3100	2050	1850	2800	1850	1700	6.42
	Rear dozer down		*5950	5900		*6850	3200		*4900	2150		*3550	2000	
	Dozer and stabilizer down		*5950	*5950		*6850	5250		*4900	3450		*3550	3100	
	2 sets of stabilizers down	*5950	*5950	*5950	*6850	*6850	6250	*4900	*4900	4000	*3550	*3550	*3550	
-1.5 m	Rear dozer up	*8450	5600	4950	4650	3050	2750				3250	2150	2000	5.77
	Rear dozer down		*8450	5950		*6000	3200					*4100	2300	
	Dozer and stabilizer down		*8450	*8450		*6000	5200					*4100	3650	
	2 sets of stabilizers down	*8450	*8450	*8450	*6000	*6000	*6000				*4100	*4100	*4100	
-3.0 m	Rear dozer up	*5300	*5300	5100	*3300	3150	2850				*3200	3100	2800	4.53
	Rear dozer down		*5300	*5300		*3300	*3300					*3200	*3200	
	Dozer and stabilizer down		*5300	*5300		*3300	*3300					*3200	*3200	
	2 sets of stabilizers down	*5300	*5300	*5300	*3300	*3300	*3300				*3200	*3200	*3200	

Medium Stick
2300 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m						m
														
6.0 m	Rear dozer up										*2700	*2700	2550	5.32
	Rear dozer down											*2700	*2700	
	Dozer and stabilizer down											*2700	*2700	
	2 sets of stabilizers down										*2700	*2700	*2700	
4.5 m	Rear dozer up				*4950	3600	3300	3300	2250	2100	*2500	2100	1900	6.29
	Rear dozer down					*4950	3800		*3700	2400		*2500	2200	
	Dozer and stabilizer down					*4950	*4950		*3700	3650		*2500	*2500	
	2 sets of stabilizers down				*4950	*4950	*4950	*3700	*3700	*3700	*2500	*2500	*2500	
3.0 m	Rear dozer up	*8650	6400	5650	5100	3400	3100	3250	2200	2000	*2550	1800	1650	6.77
	Rear dozer down		*8650	6700		*5800	3600		*4650	2300		*2550	1900	
	Dozer and stabilizer down		*8650	*8650		*5800	5650		*4650	3600		*2550	*2550	
	2 sets of stabilizers down	*8650	*8650	*8650	*5800	*5800	*5800	*4650	*4650	4200	*2550	*2550	*2550	
1.5 m	Rear dozer up				4850	3200	2900	3150	2100	1950	2550	1700	1550	6.89
	Rear dozer down					*6650	3350		*4950	2250		*2700	1800	
	Dozer and stabilizer down					*6650	5400		*4950	3500		*2700	*2700	
	2 sets of stabilizers down				*6650	*6650	6400	*4950	*4950	4100	*2700	*2700	*2700	
0.0 m	Rear dozer up	*6800	5550	4900	4700	3050	2750	3100	2050	1850	2650	1750	1600	6.66
	Rear dozer down		*6800	5900		*6850	3200		*4950	2150		*3050	1900	
	Dozer and stabilizer down		*6800	*6800		*6850	5250		*4950	3400		*3050	2950	
	2 sets of stabilizers down	*6800	*6800	*6800	*6850	*6850	6250	*4950	*4950	4000	*3050	*3050	*3050	
-1.5 m	Rear dozer up	*9000	5600	4900	4650	3000	2700	3050	2050	1850	3050	2000	1850	6.04
	Rear dozer down		*9000	5900		*6200	3200		*4150	2150		*3900	2150	
	Dozer and stabilizer down		*9000	*9000		*6200	5200		*4150	3400		*3900	3400	
	2 sets of stabilizers down	*9000	*9000	*9000	*6200	*6200	6200	*4150	*4150	4000	*3900	*3900	*3900	
-3.0 m	Rear dozer up	*6200	5700	5000	*4200	3100	2800				*3500	2750	2500	4.88
	Rear dozer down		*6200	6050		*4200	3250					*3500	2950	
	Dozer and stabilizer down		*6200	*6200		*4200	*4200					*3500	*3500	
	2 sets of stabilizers down	*6200	*6200	*6200	*4200	*4200	*4200				*3500	*3500	*3500	

* Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

M315D2 Wheel Excavator Standard Equipment

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

ELECTRICAL

- Alternator, 75A
- Lights
 - Boom working light
 - Cab interior light
 - Rooding lights two front
 - Rooding lights two rear
 - Working lights, cab mounted (front and rear)
- Main shut-off switch
- Heavy-duty maintenance free batteries
- Signal/warning horn

ENGINE

- Automatic engine speed control
- Automatic starting aid
- Cat C4.4 emits at levels equivalent to U.S. EPA Tier 3 and EU Stage IIIA emission standards
- Fuel/water separator with level indicator

HYDRAULICS

- Heavy lift mode
- Load-sensing plus hydraulic system
- Anti-drift valves for boom stick and bucket
- Manual work modes (economy, power)
- Separate swing pump
- Stick regeneration circuit

OPERATOR STATION

- Adjustable armrests
- Air conditioner, heater and defroster with automatic climate control
- Ash tray with cigarette lighter (24V)
- Beverage cup/can holder
- Bolt-on FOGS capability
- Bottle holder
- Bottom mounted parallel wiping system that covers the upper and lower windshield glass
- Camera mounted on counterweight displays through cab monitor
- Coat hook
- Floor mat, washable, with storage compartment
- Fully adjustable suspension seat
- Instrument panel and gauges
 - Information and warning messages in local language
 - Gauges for fuel level, engine coolant and hydraulic oil temperature
 - Filters/fluids change interval
 - Indicators for headlights, turning signal, low fuel, engine dial setting
 - Clock with 10-day backup battery
- Laminated front windshield
 - 70/30 split, openable
- Left side console, tiltable, with lock out for all controls
- Literature holder in right console
- Mobile phone holder
- Parking brake
- Positive filtered ventilation
- Power supply, 12V-7A
- Rear window, emergency exit
- Retractable seat belt
- Skylight
- Sliding door windows
- Steering column, tiltable
- Storage area suitable for a lunch box
- Sunshade for windshield and skylight
- Visor for rain protection

UNDERCARRIAGE

- Heavy-duty axles, advanced travel motor, adjustable braking force
- Oscillating front axle with remote greasing
- Tires, 10.00-20 16 PR, dual
- Tool box in undercarriage
- Second tool box for undercarriage
- Two-piece drive shaft

OTHER EQUIPMENT

- Automatic swing brake
- Cat Product Link
- Counterweight, 2900 kg
- Mirrors, frame and cab

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

AUXILIARY CONTROLS AND LINES

- Auxiliary boom and stick lines
- Anti-drift valves for tool control/multi-function circuits
- Basic control circuits:
 - Medium pressure
 - Two-way, medium pressure circuit, for rotating or tilting of work tools
 - Hammer circuit
 - Tool control/multi function
 - One/two-way high pressure for hammer application or opening and closing of a work tool
 - Programmable flow and pressure for up to 10 work tools – selection via monitor
 - Quick coupler control
- SmartBoom

FRONT LINKAGE

- Booms
 - One-piece reach boom, 4815 mm
 - VA boom (two piece), 5020 mm
 - One-piece boom, 4500 mm
- Bucket linkage with diverter valve
- Sticks
 - 2000, 2300 mm

ELECTRICAL

- Back-up alarm with three selectable modes
- Lights
 - Rotating beacon on cab
- Refueling pump

OPERATOR STATION

- Falling object guards
- Joystick steering
- CD/MP3 Radio (12V) at rear location including speakers and 12V converter
- Seat, adjustable high-back
 - mechanical suspension
 - air suspension (vertical)

UNDERCARRIAGE

- Dozer blade, rear mounted
- Outriggers, rear mounted and blade front
- Spacer rings for tires

OTHER EQUIPMENT

- Cat Machine Security System
- Counterweight, 3300 kg
- Ride Control

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